

## EAST Search History

| Ref # | Hits    | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|---------|--|---|------------------|---------|------------------|
| S1    | 4490777 | delta or change  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/25 11:08 |
| S2    | 857217  | buffer or (temporary adj table) or<br>(temporary adj storarge)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/25 09:20 |
| S3    | 442565  | S1 and S2  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/25 09:22 |
| S4    | 85184   | S1 same S2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/25 09:22 |
| S5    | 35197   | S1 with S2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/25 09:22 |
| S6    | 6176    | S1 adj3 S2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/25 09:23 |
| S7    | 1984    | S1 adj S2  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/25 09:29 |
| S8    | 198112  | ("704".clas. or "707".clas. or "709".<br>clas. or "710".clas. or "714".clas. or<br>"715".clas. or "725".clas.) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/04/25 09:33 |

## EAST Search History

|     |        |                   |   |    |    |                  |
|-----|--------|-------------------|---|----|----|------------------|
| S9  | 37706  | S3 and S8         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 09:33 |
| S10 | 7399   | S4 and S8         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 09:33 |
| S11 | 3555   | S5 and S8         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 09:33 |
| S12 | 783    | S6 and S8         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 09:33 |
| S13 | 212    | S7 and S8         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 09:34 |
| S14 | 717835 | database          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 09:34 |
| S15 | 11134  | S14 and S3 and S8 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 09:34 |
| S16 | 1947   | S14 and S4 and S8 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 09:34 |

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|     |      |                              |   |    |    |                  |
|-----|------|------------------------------|---|----|----|------------------|
| S17 | 877  | S14 and S5 and S8            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 09:34 |
| S18 | 211  | S14 and S6 and S8            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 09:34 |
| S19 | 63   | S14 and S7 and S8            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 09:35 |
| S20 | 1402 | S14 same (S1 and S2) and S8  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 09:37 |
| S21 | 371  | S14 same (S1 same S2) and S8 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 09:37 |
| S22 | 148  | S14 same (S1 with S2) and S8 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 09:37 |
| S23 | 45   | S14 same (S1 adj3 S2) and S8 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 09:37 |
| S24 | 11   | S14 same (S1 adj S2) and S8  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 09:37 |

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|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S25 | 629 | S14 with (S1 and S2) and S8  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/25 15:11 |
| S26 | 129 | S14 with (S1 same S2) and S8   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/25 09:38 |
| S27 | 95  | S14 with (S1 with S2) and S8   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/25 09:38 |
| S28 | 30  | S14 with (S1 adj3 S2) and S8   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/25 10:11 |
| S29 | 9   | S14 with (S1 adj S2) and S8  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/25 09:38 |
| S31 | 2   | "20030093424"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/25 10:13 |
| S32 | 4   | "20030093424" or "6158019".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/25 10:13 |
| S33 | 29  | ("5086502"   "5212784"   "5325519"  <br>"5375234"   "5404508"   "5426774"  <br>"5435004"   "5479654"   "5535381"  <br>"5574882"   "5596710"   "5604862"  <br>"5617566"   "5638509"   "5640561"  <br>"5649152"   "5675725"   "5692121"  <br>"5713024"   "5720026"   "5737514"  <br>"5765173"   "5774643").PN. OR<br>("6158019").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/04/25 11:07 |

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|     |         |  |   |    |     |                  |
|-----|---------|--|---|----|-----|------------------|
| S34 | 3006    | change adj log or access adj log   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/25 11:09 |
| S35 | 1608    | S14 and S34  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/25 11:10 |
| S36 | 422     | S14 and S34 and "707".clas.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/25 11:10 |
| S37 | 195     | S14 same S34 and "707".clas.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/25 11:10 |
| S38 | 113     | S14 with S34 and "707".clas.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/25 11:10 |
| S39 | 13      | ("4648036"   "5237661"   "5333310"  <br>"5581754").PN. OR ("5745904").URPN.                                    | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/04/25 14:07 |
| S40 | 4490777 | delta or change  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/25 15:12 |
| S41 | 857217  | buffer or (temporary adj table) or<br>(temporary adj storage)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/25 15:12 |
| S42 | 198112  | ("704".clas. or "707".clas. or "709".<br>clas. or "710".clas. or "714".clas. or<br>"715".clas. or "725".clas.) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/25 15:12 |

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|     |        |   |   |    |    |                  |
|-----|--------|---|---|----|----|------------------|
| S43 | 717835 | database  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 15:12 |
| S44 | 1751   | ((olap or multidimensional or "online analytical processing") with database)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 15:18 |
| S45 | 23     | S43 with (S40 and S41) and S42 and S44  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 15:19 |
| S46 | 632    | multidimensional and (olap or "online analytical processing")                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 15:20 |
| S47 | 86     | multidimensional adj2 database and (olap or "online analytical processing") adj2 tool | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 15:20 |
| S48 | 67     | multidimensional adj database and (olap or "online analytical processing") adj tool   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:36 |
| S49 | 11     | delta adj buffer and compress\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:37 |
| S50 | 31     | (delta or change) adj (buffer or log) with (compress\$3 or join)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:48 |

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|     |        |   |   |    |    |                  |
|-----|--------|---|---|----|----|------------------|
| S51 | 0      | (delta or change) adj (buffer or log) with (compress\$3 or join) and "707.clas"                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:38 |
| S52 | 198112 | ("704".clas. or "707".clas. or "709".clas. or "710".clas. or "714".clas. or "715".clas. or "725".clas.) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:38 |
| S53 | 16     | (delta or change) adj (buffer or log) with (compress\$3 or join) and S52                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:44 |
| S54 | 1      | (delta or change) adj (buffer or log) with cumulative same (compress\$3 or join) and S52                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:43 |
| S55 | 2      | (delta or change) adj (buffer or log) with cumulative and S52   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:43 |
| S56 | 2      | (delta or change) adj (buffer or log) same cumulative and S52   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:44 |
| S57 | 28     | (delta or change) adj (buffer or log) and cumulative and S52  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:44 |
| S58 | 7      | (delta or change) adj (buffer or log) same (compress\$3 or join) and S52 not S53                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:45 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S59 | 32   | (delta or change) adj (buffer or log) with (consolidate or consolidation or compress\$3 or join)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:55 |
| S60 | 41   | (delta or change) adj2 (buffer or log) with (consolidate or consolidation or compress\$3 or join)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:55 |
| S61 | 9    | (delta or change) adj2 (buffer or log) with (consolidate or consolidation or compress\$3 or join) not S59 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:56 |
| S62 | 32   | (delta or change) adj3 (buffer or table) with (consolidate or consolidation or join)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:58 |
| S63 | 1    | (delta or change) adj3 (buffer or table) with (consolidate or consolidation)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:58 |
| S64 | 59   | (delta or change) with (buffer or table) same (consolidate or consolidation)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 09:16 |
| S65 | 15   | (delta or change) with (buffer or table) same (consolidate or consolidation) and S52                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/25 16:58 |
| S66 | 8448 | (delta or change) with (buffer or table) same (consolid\$5 or combin\$5)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 09:17 |



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|     |        |   |   |    |    |                  |
|-----|--------|---|---|----|----|------------------|
| S67 | 198112 | ("704".clas. or "707".clas. or "709".clas. or "710".clas. or "714".clas. or "715".clas. or "725".clas.) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 09:17 |
| S68 | 200    | (delta or change) with (buffer or table) with (consolid\$5 or combin\$5) and S67                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 09:18 |
| S69 | 41     | (delta or change) adj3 (buffer or table) with (consolid\$5 or combin\$5) and S67                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 09:18 |